

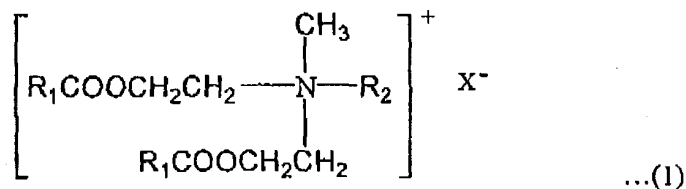
Appl. No. 10/659,668
 Audit. dated May 5, 2004
 Reply to Office Action of February 6, 2004

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

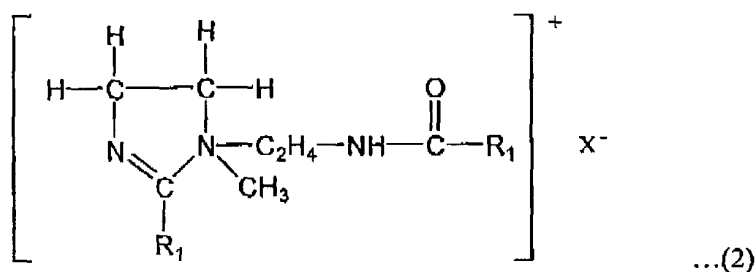
Listing of Claims:

1. (Currently Amended) A method of using a complex salt as for an anti-spotting detergent, comprising:
reacting the complex salt being formed by the reaction of with a photo-bleaching component having a water-soluble anionic substituent and a cationic surfactant.
2. (Currently Amended) The ~~complex salt~~method of claim 1, wherein the photo-bleaching component having the water-soluble substituent is at least one of a metallo porphrin, a metallo phthalocyanine, a metallo naphthalocyanine, or and a combination of the forgoing materials.
3. (Currently Amended) The ~~complex salt~~method of claim 2, wherein the metallo phthalocyanine is at least one of zinc phthalocyanine sulfonate or and aluminum phthalocyanine sulfonate.
4. (Currently Amended) The ~~complex salt~~method of claim 1, wherein the cationic surfactant is a quaternary ammonium compound having one of formulae (1), (2), and (3) below:

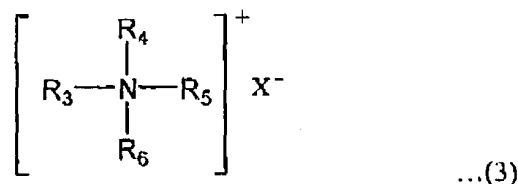


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wherein R_1 is a substituted or unsubstituted C_8 - C_{22} alkyl group or a substituted or unsubstituted C_8 - C_{22} alkenyl group; R_2 is a substituted or unsubstituted C_1 - C_4 alkyl group; and X is selected from among a halogen atom, acetate, phosphate, nitrate, and methyl sulfate;



wherein R_1 is a substituted or unsubstituted C_8 - C_{22} alkyl group or a substituted or unsubstituted C_8 - C_{22} alkenyl group; and X is selected from among a halogen atom, acetate, phosphate, nitrate, and methyl sulfate; and



wherein R_3 is selected from among a hydrogen atom, a substituted or unsubstituted C_1 - C_{22} alkyl, and a substituted or unsubstituted C_1 - C_{22} alkenyl group; R_4 is one or a substituted or unsubstituted C_8 - C_{22} alkyl group and a substituted or unsubstituted C_8 - C_{22} alkenyl group; each of R_5 and R_6 is a C_1 - C_4 alkyl group; and X is selected from among a halogen atom, acetate, phosphate, nitrate, and methyl sulfate.

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5. (Currently Amended) The ~~complex salt~~method of claim 4, wherein the cationic surfactant of said formula (2) is selected from among the group consisting of 1-methyl-1-[(steroylamido)ethyl]-2-octadecyl-4,5-dihydroimidazolinium chloride, 1-methyl-1-[(oleylamino)ethyl]-2-oleyl-4,5-dihydroimidazolinium methyl sulfate, 1-methyl-1-[(tallowamido)ethyl]-2-tallow-4,5-imidazolinium chloride, 1-methyl-1-[(palmitoylamido)ethyl]-2-octadecyl-4,5-dihydroimidazolinium chloride, 1-methyl-1-[(steroylamide)ethyl]-2-octadecyl-4,5-dihydroimidazolinium chloride, and 1-methyl-1-[(hydrogenated tallowamido)ethyl]-2-hydrogenated tallow-4,5-imidazolinium chloride.

6. (Currently Amended) The ~~complex salt~~method of claim 4, wherein the cationic surfactant of said formula (3) is selected from the group consisting of tallow trimethyl ammonium chloride, ditallow dimethyl ammonium chloride, ditallow dimethyl ammonium methyl sulfate, dihexadecyl dimethyl ammonium chloride, di(hydrogenated tallow)dimethyl ammonium chloride, dioctadecyl dimethyl ammonium chloride, distearyl dimethyl ammonium chloride, dicosyl dimethyl ammonium chloride, didocosyl dimethyl ammonium chloride, di(hydrogenated tallow)dimethyl ammonium methyl sulfate, dihexadecyl diethyl ammonium chloride, dihexadecyl dimethyl ammonium acetate, ditallow dipropyl ammonium phosphite, ditallow dimethyl ammonium nitrate, and di(coconut-alkyl)dimethyl ammonium chloride.